APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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JOSCELYN G COCKBURN
IBM CORPORATION 972/B656
P O BOX 12195
RESEARCH TRIANGLE PARK NC 27709

EXAMINER
HUYNH, C

ART UNIT	PAPER NUMBER
2176	

DATE MAILED:

07/17/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

    A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒   Responsive to communication(s) filed on _04 June 2001_ .

2a)☐   This action is **FINAL**.   2b)☒   This action is non-final.

3)☐   Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒   Claim(s) _32-74_ is/are pending in the application.

     4a) Of the above claim(s) _32-41 and 74_ is/are withdrawn from consideration.

5)☐   Claim(s) _____ is/are allowed.

6)☒   Claim(s) _42-73_ is/are rejected.

7)☐   Claim(s) _____ is/are objected to.

8)☐   Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐   The specification is objected to by the Examiner.

10)☐   The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐   The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

     If approved, corrected drawings are required in reply to this Office action.

12)☐   The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some * c)☐ None of:

         1.☐ Certified copies of the priority documents have been received.

         2.☐ Certified copies of the priority documents have been received in Application No. _____ .

         3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

14)☐   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

     a) ☐ The translation of the foreign language provisional application has been received.

15)☐   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)	4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) ☐ Notice of Informal Patent Application (PTO-152)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6) ☐ Other: .

DETAILED ACTION

1.   This action is responsive to communications: election filed on 6/4/01 to the

application filed on 06/02/98.

2.   Applicant's election of claims 42-73 in Paper No. 11 is acknowledged. Because

applicant did not distinctly and specifically point out the supposed errors in the

restriction requirement, the election has been treated as an election without traverse

(MPEP § 818.03(a)).

3.   Claims 42-73 are pending in the case. Claims 42, 43, 49, 57, 63, 71 are

independent claims.

4.   The rejections of claims 7, 11-13 under 35 U.S.C., second paragraph, as failing

to set forth the subject matter which applicant(s) regard as their invention have been

withdrawn in view of the cancellation of claims 1-31.

5.   The rejections of claims 1-31 under 35 U.S.C. 103(a) as being anticipated by the

drawings submitted by applicants have been withdrawn in view of the cancellation of

claims 1-31.

Claim Rejections - 35 USC § 112

6.   The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of
> making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the
> art to which it pertains, or with which it is most nearly connected, to make and use the same and shall
> set forth the best mode contemplated by the inventor of carrying out his invention.

7.   Claim 42 is rejected under 35 U.S.C. 112, first paragraph, as containing subject

matter which was not described in the specification in such a way as to enable one

skilled in the art to which it pertains, or with which it is most nearly connected, to make

and/or use the invention.

Regarding claim 42, if at least one space (1st character type), at least one lower case

letter (3rd character type), and at least one lower vowel (the 2nd character type can be

any type since it is not defined) are removed from a word or a phrase, entries from

figure 2 can not become entries in figure 8 as explained in the specification. Since at

least one includes one to all, there are three cases for removing:

■ one space, one lower vowel and one lower case letter: Bytes Sent (column heading

   34 in figure 2) may become BytesSn, not BytsS as in column 230 of figure 8

■ some space, some lower vowel and some lower case letter: Bytes Sent may

   become BtsS, not BytsS as in column 230 of figure 8

■ all spaces, all lower vowels and all lower case letters: Bytes Sent may become BS,

   not BytsS as in column 230 of figure 8

8.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly
> claiming the subject matter which the applicant regards as his invention.

9.   Claims 46 and 47 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention.

Regarding claims 46 and 47, it is confusing since the lower case character may include

the lower case vowel.

Claim Rejections - 35 USC § 103

10.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed
> or described as set forth in section 102 of this title, if the differences between the
> subject matter sought to be patented and the prior art are such that the subject
> matter as a whole would have been obvious at the time the invention was made
> to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was
> made.

11.   Claims 42-73 are rejected under 35 U.S.C. 103(a) as being unpatentable over

the applicants admitted prior art, figure 4, of the specification.

Regarding independent claim 42, figure 4 discloses:

- providing the entry (entry System, 10, 22, 24.. of col 31)

- removing *at least* one character having a first character type if the entry includes that

  at least one space and if the character type is the first character type, the first

  character type being a space (removing the spaces in "Disk 1 Workload" in col 38, it

  becomes Disk1Workload)

- removing *at least* one character having a second character type if the entry includes

  that at least one character and if the character type is the second character type

(removing upper case letters, Disk1Workload may become Disk1orkload since "W"

is *the at least one character of a second character type*)

■ removing *at least* one lower case letter if the at least one entry includes the at least

one lower case letter and if the character type is the third character type, the third

character type being a lower case letter (removing the lower case letters,

Disk1orkload may become Disk since "1orload" are *the at least one lower case*

letter)

It would have been obvious to one of ordinary skill in the art at the time of the invention

was made to have recognized that the second character type can be any type, for

example the upper case letter, since the second character type is not defined in the

claim.

Regarding independent claim 43 and claim 44, figures 2 and 4 discloses:

(a) obtaining the at least one entry from the at least one column (figure 2, entries in the

columns 31, 32, 34, 36, 38)

(b) abbreviating a width of the at least one entry (entry System in column 31 in figure 2

is abbreviated into Syste in column 71 in figure 4)

(c) determining if there is another entry containing text data (not obvious shown in the

figure, however, all of the column headings are abbreviated show that this step is

performed)

(d) repeating steps (b) and (c) until all of the at least one entry of the at least one column are abbreviated (all of the column headings are abbreviated shows that this step is performed)

(e) displaying the at least one column having the at least one abbreviated entry (figure 4 displays all the column headings in abbreviated forms)

The prior art does not disclose explicitly step(c) determining if there is another entry containing text data. Though it is not obviously shown in the figure, the fact that every entry of the column headings are abbreviated show that for each entry the system determines if there is another entry in the table to perform the abbreviation.

Regarding claim 44, which is dependent on claim 43, as in figure 4, the at least one entry is the column heading.

Regarding claims 45 and 46, which are dependent on claims 44 and 45 respectively, figure 4 discloses removing at least one character of a second plurality of characters if the at least one column heading includes the at least one character where the second plurality of character further includes a plurality of lower case vowels (removing at least one lower case vowel "e" in "Bytes Sent").

Regarding claim 46, which is dependent claim 44, figure 4 discloses the removing of at least a lower case from the column heading 31 in figure 2 (character m is removed).

Regarding claim 47, which is dependent on claim 44, figure 4 discloses removing at least one lower case character if the at least one column heading includes the at least one lower character (by removing the lower case character "m", "System" in column 31 in figure 2 becomes "Syste" in column 71 in figure 4).

Regarding claim 48, which is dependent on claim 44, figure 4 discloses removing at least one space if the at least one column heading includes the at least one space (the at least one space in "Bytes Sent" in column 34 of figure 2 is removed so there is no space in the column heading 74 in figure 4).

Regarding independent claim 49, figure 4 discloses the limitations (b) and (c) as in claims 1, 3-4, 5-6 rejected above, except the limitation (a) for determining a character type.
It would have been obvious to one of ordinary skill in the art at the time of the invention was made to have included determining a character type to the prior art to facilitate the abbreviation by removing the *characters of different types* as desired.

Regarding claim 50, which is dependent on claim 49, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to have recognized that the entries in figures 2 and 4 are column headings.

Regarding claims 51 and 52, which are dependent on claim 50 and 51 respectively, the fact that all of the column headings in figure 2 are abbreviated to be the column headings in figure 4 shows that repeating steps (b) and (c) for each columns and repeating steps (a), (b), and (c) for all of the columns are performed to get the result seen in figure 4.

Regarding claims 53-55, figure 4 discloses:

- removing at least one character of the first character type if the at least one column heading is wider than a particular column width (upper case character "S" in "Bytes Sent" in column 34, figure 2 is removed so column heading 74 does not include "S" when the column width is still wider than 5)

- removing at least one character of the second character type where the second character type is a lower case character if the at least one column heading is wider than a particular column width (then lower case characters e, n, t are removed so column heading 74 of figure 4 does not include the last e, n, t when the column width is still wider than 5)

- removing at least one character of the third character type where the third character type is a space, in the column heading if the column heading is wider than a particular width if the at least one column heading is wider than a particular column width (the space in "Bytes Sent" is removed so there is no space in column heading 74 when the column width is still wider than 5)

Regarding claim 56, which is dependent on claim 55, figure 4 discloses truncating the at least one column heading if the width of the at least one column heading is greater than the particular column width and if the at least one column heading does not contain any character of the first character type, the second character type, or the third character type (the column heading "Bytes Received" is truncated since the width is wider than 5 and it does not contain the space, which is the third character type. Column heading 32 becomes column heading 72 "Bytes" in figure 4).

Claims 57-70 are for a computer-readable medium of method claims 43-56, and are rejected under the same rationale.

Claims 71-73 are for a system of method claims 49, 50, 53-56, and are rejected under the same rationale.

Response to Arguments

12.   Applicant's arguments filed 6/4/01 have been fully considered but they are not persuasive.

Applicants argue that the invention is about the abbreviation of column headings and the figure prior art is about truncation of column headings. Applicants also show the difference between abbreviation and truncation.

Examiner disagrees since truncation is still a type of abbreviation. Truncation achieves abbreviation by shortening the length of a word or a phrase.

According to the American Heritage Dictionary, page 1300, the verb truncate is defined
as to shorten by or as if by cutting off.   The dictionary does not mention "cutting off the
end or top", as provided by applicants. This means shortening can happen any way; it
is not necessary to cut off the end or top.

Examiner also argue that figure 4 does not teach the claimed invention.

Examiner disagrees.

The prior art still has the cases that teach the claims limitations as mentioned in the
rejections of the claims above.

Conclusion

13.   The prior art made of record and not relied upon is considered pertinent to
applicant's disclosure.

Batchelder et al. (US Pat No. 5,691,708, 11/25/97, filed 8/14/95) teaches a text
abstraction method and apparatus.

14.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Cong-Lac Huynh whose telephone number is (703)-305-
0432. The examiner can normally be reached on Monday through Friday from 8:00 AM
to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached on (703) 308-5186. The fax number to this Art Unit is (703) 308-5403.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-5403   (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA. Sixth Floor (Receptionist).

clh

7/5/01

STEPHEN S. HONG
PRIMARY EXAMINER